

## SWP Water Quality Summary

September 17 to September 25, 2008

**TDS / Electrical Conductivity:** TDS decreased at Check 29 and Vallecitos, but increased at Devil Canyon and Barker Slough, from September 17 to September 25, 2008. Concentrations ranged from 143 mg/L to 321 mg/L (240 µS/cm to 567 µS/cm), but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). Daily average concentrations varied at all the locations. As of September 25, 2008, the lowest and highest concentrations of 144 mg/L (248 µS/cm) and 321 mg/L (568 µS/cm) occurred at Check 29 and Banks Pumping Plant (BPP), respectively.

**Bromide:** Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations and ranged from 0.07 mg/L to 0.29 mg/L. As of September 25, Check 29 and Barker Slough had the lowest concentration of 0.08 mg/L, followed by Devil Canyon with 0.22 mg/L while the highest concentration of 0.29 mg/L occurred at BPP and Vallecitos.

**Turbidity:** Turbidity levels decreased at BPP, Barker Slough and Vallecitos, but increased slightly at Check 29. Turbidity levels ranged from 1 NTU to 67 NTU as of September 25, 2008. The lowest level of 1 NTU occurred at Check 29 while the highest level of 45 NTU occurred at Barker Slough on September 25, 2008. BPP mean daily turbidity levels decreased slightly from 6 NTU to 4 NTU as of September 25, 2008.

**Dissolved Organic Carbon (DOC):** Concentrations increased at Check 13 from 2.0 mg/L to 2.3 mg/L, but decreased from 2.2 mg/L to 1.3 mg/L at Edmonston as of September 25, 2008. DOC daily average concentration at BPP was 2.4 mg/L as of September 25, 2008.

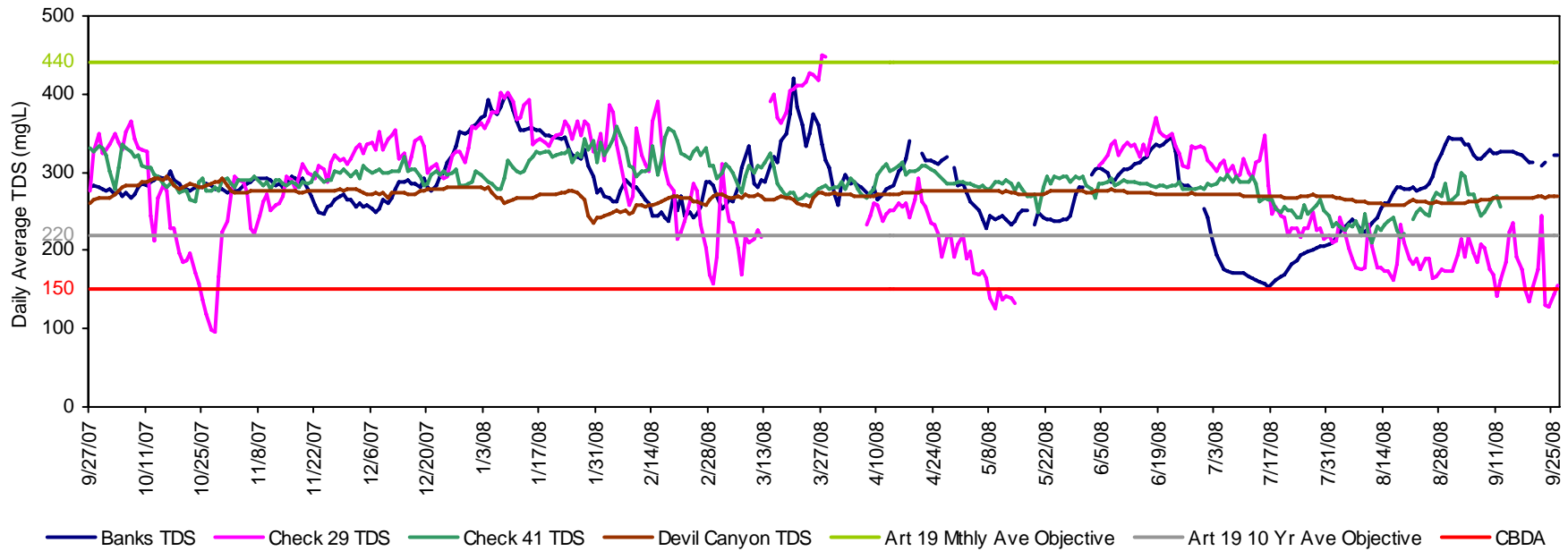
**Taste and Odor Compounds:** MIB and geosmin remain low project-wide, ranging from non-detect to 16 ng/L at Clifton Court, BPP, Del Valle Check 7, O'Neill Forebay Outlet, Pacheco Pumping Plant, Check 41, Check 66 and Silverwood Lake as of September 22, 2008.

- There is no data for Check 41 because work is in progress to fix the malfunctioning instruments.

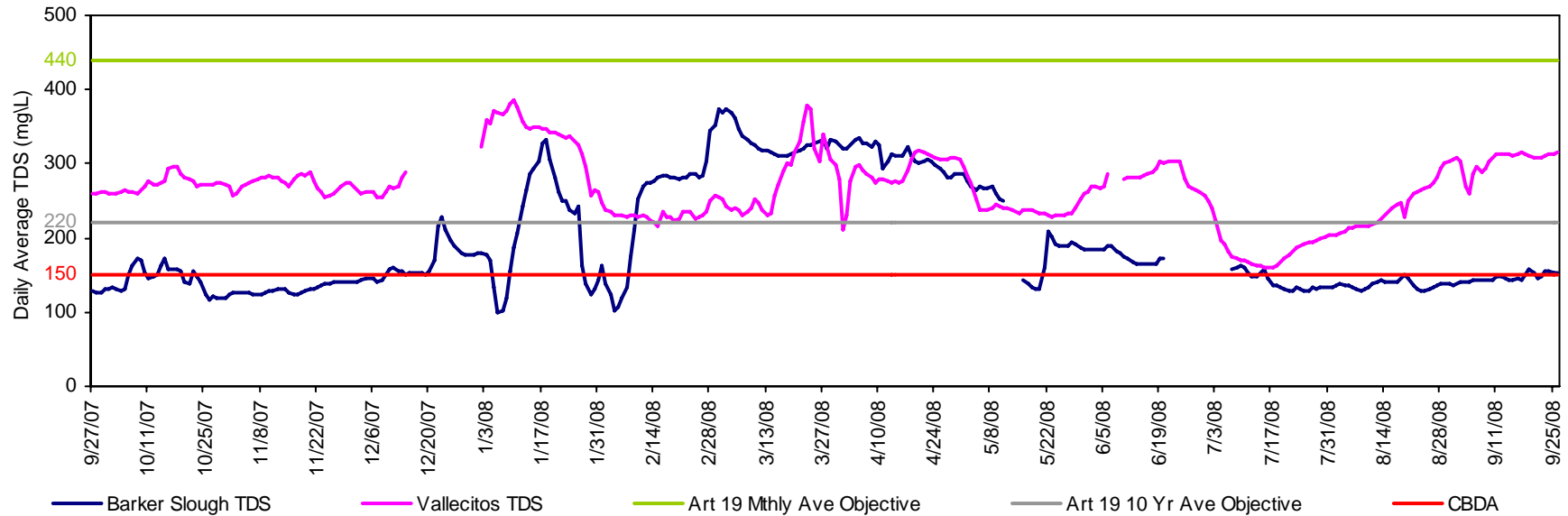
### Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

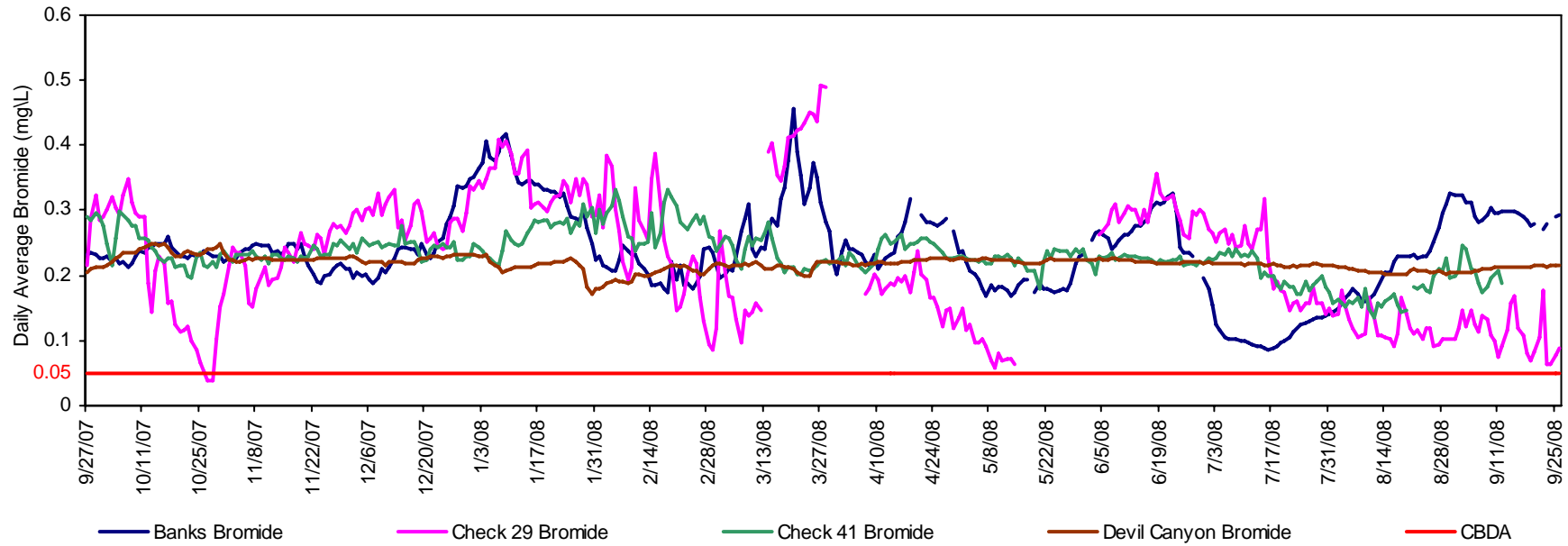
## California Aqueduct - Calculated Total Dissolved Solids



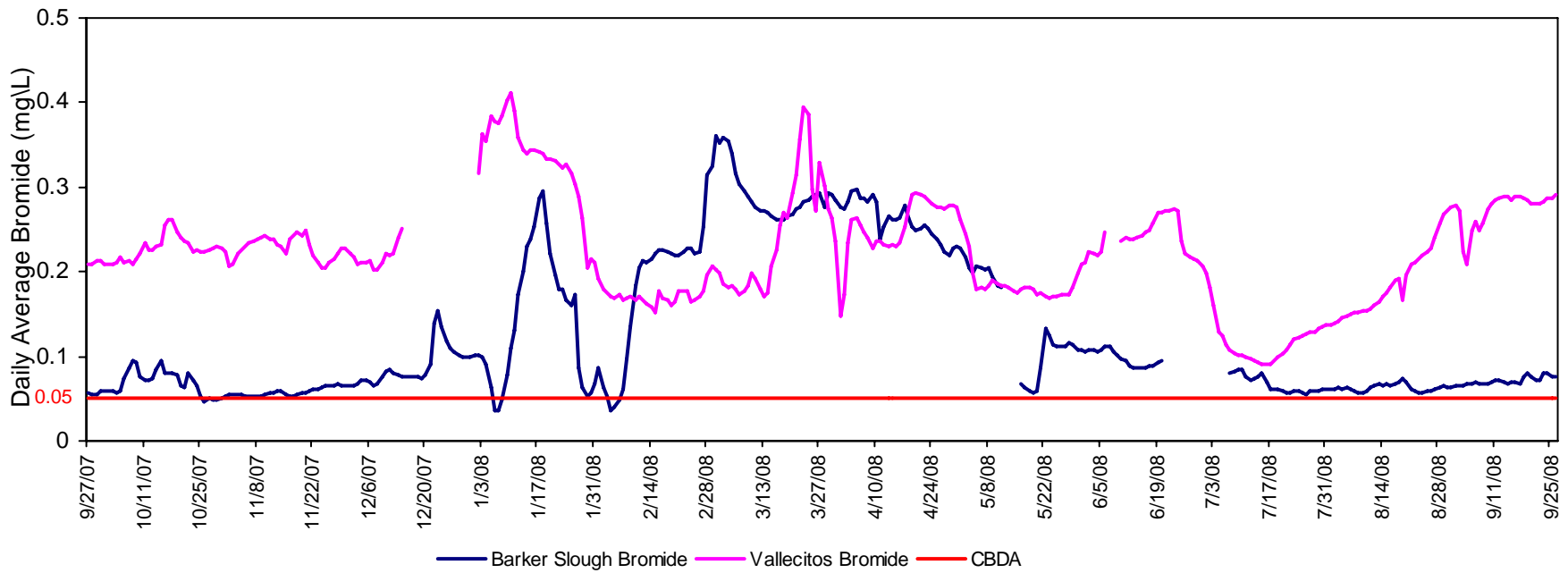
## North and South Bay Aqueduct - Calculated Total Dissolved Solids



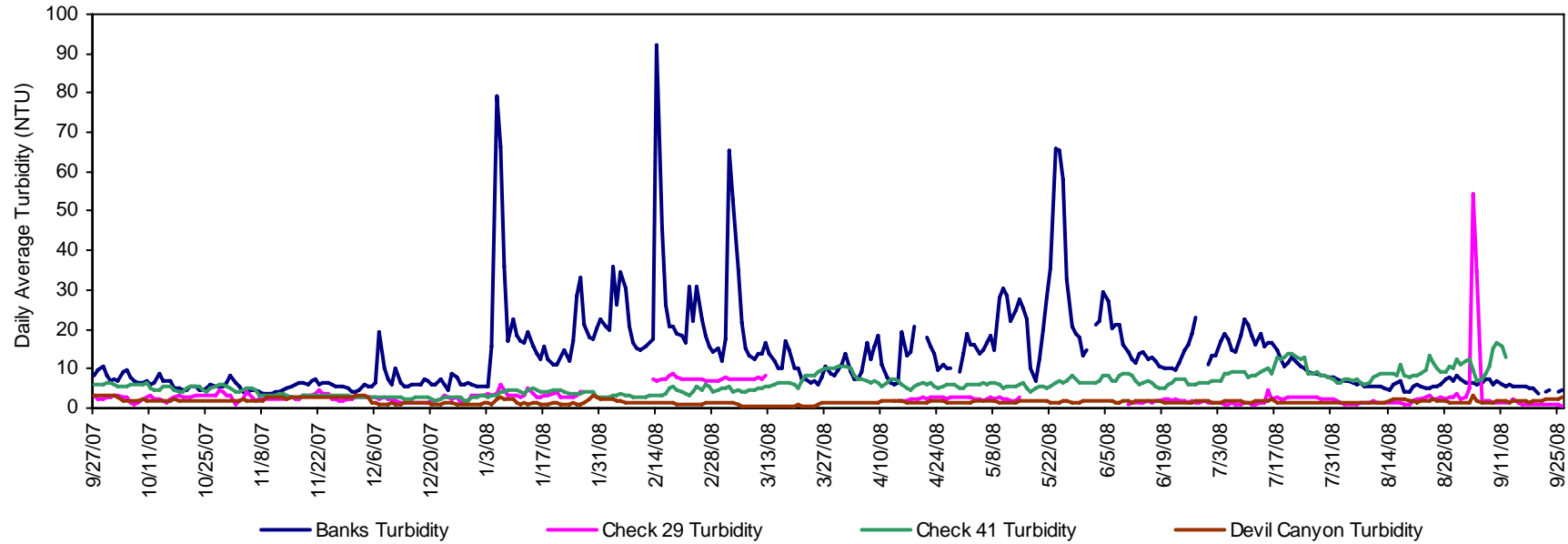
California Aqueduct - Calculated Bromide



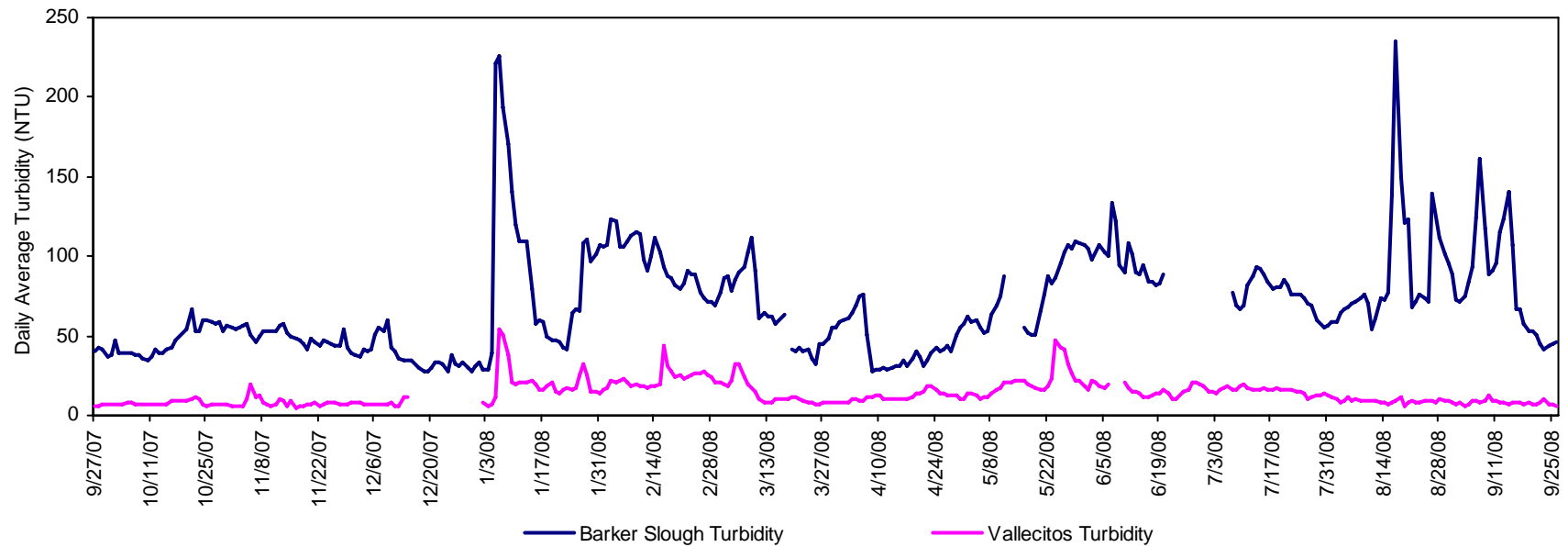
North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

